

IN THE ABSTRACT

Please substitute the following Abstract for the Abstract contained in the application.

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The present invention provides an improved swash plate type variable capacity fluid machine which is fluid-tight, simple in structure, quiet in operation, and highly durable, yet without increasing its size, weight, and the amount of power loss. The swash plate type variable capacity fluid machine (64) ~~comprises~~ includes: a cone (3); a disk (5); an enclosure wall (9) whose inner spherical surface surrounds the outer circumference of the disk (5); and a partition plate (7) movably fitted in a groove (17) of the cone (3). The cone (3) and the disk (5) are arranged to confront each other on an abutment line (A), thereby defining a plurality of variable capacity compartments (B, C, D). Supplying/discharging holes (31, 33) are provided to communicate with the variable capacity compartments (B, C, D), supplying and discharging a fluid there from. A synchronous mechanism (29) causes the cone (3) and the disk (5) to rotate about their center axis in synchronization.